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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD

Proceeding	91177234
Party	Plaintiff Cardinal Health 303, Inc.
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Submission	Plaintiff's Notice of Reliance
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Date	06/09/2009
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Positive bolus products

Standardize with SmartSite® IV sets and accessories

The newest addition to the SmartSite® accessories family of needle-free IV access components, the SmartSite® positive bolus valve features a positive bolus to help clear catheter lumens and prevent retrograde flow. The SmartSite® positive bolus needle-free valve offers a complete system to allow you to standardize on one integrated needle-free system throughout your facility. The SmartSite® positive bolus needle-free valve was announced as one of the winners of the 2003 Medical Design Excellence Awards (MDEA) in the General Hospital Devices and Therapeutic Products category.

Upon removal of a standard male luer, the SmartSite® positive bolus valve automatically displaces a positive bolus of fluid for catheter maintenance.

Positive bolus products offer:

- Catheter maintenance; upon removal of a standard male luer, the SmartSite® positive bolus valve automatically displaces a positive bolus of fluid, helping to prevent retrograde flow into the catheter lumen
- Cost savings; eliminating the need for caps, cannulas and add-on pieces also eliminates the cost
- Standardization; IV pump sets, gravity sets, extension sets, drug dispensing devices and positive bolus products combine with the SmartSite® needle-free system for hospital-wide standardization
- Ease of use; simply swab the top of the valve, attach any standard male luer and detach
- Latex free; removing latex from your IV system reduces the likelihood of an adverse latex reaction for patients and caregivers
- No caps or cannulas; the confusion, waste and nuisance of needle-free caps and cannulas are eliminated
- Needle-free compliance; because the SmartSite® positive bolus valve is activated with a standard male luer, the use of needles is eliminated





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Want more information?

Contact us online or at **888.876.4294** to speak with a representative.

Files for download

 Product brochure
PDF (235 Kb)

 User guide
PDF (504 Kb)

 Swab the top user guide
PDF (224 Kb)

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Gravity sets

Safety matters for you and your patients

The SmartSite® gravity sets provide the benefits of one integrated needle-free system throughout your facility. The SmartSite® IV sets and accessories are one of the most widely used needle-free systems in the world.

The SmartSite® gravity sets offer:

- Diverse infusion applications including blood, filter, mini-drip, flow regulator and secondary
- Lower system costs; reduce costs up to 30% by eliminating the need for cannulas and caps
- Ease of use; simply swab, attach any standard male luer and detach
- Safety; passive and integrated, needle free and latex free, SmartSite® gravity sets offer a whole new level of safety compared to standard IV gravity administration sets

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File for download

 Product brochure PDF (627 Kb)

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Administration sets

Cardinal Health carries a complete line of dedicated administration sets for use in:

- The Alaris® System and the Gemini infusion system
- The MedSystem III® infusion pumps
- The Alaris® SE pumps

The Alaris® System and the Gemini infusion system administration sets and the Alaris® SE pump administration sets are available with the SmartSite® needle-free valve ports or the split septum needle-free injection ports. Also available are sets with a SmartSite® needle-free valve bag access port, for use with the Texium™ closed male luer. The Texium™ closed male luer and the SmartSite® needle-free valve products provide closed-system access to IV bags for adding or removing fluids.

The MedSystem III® infusion pump sets are available with the SmartSite® needle-free valve ports. All administration sets can be ordered with standard injection ports and provide integral anti-free-flow protection.

Secondary and extension administration sets are also **available to provide greater flexibility and additional infusion capabilities to gravity and pump infusion sets.**



Administration sets for the Alaris® Pump module and the Gemini infusion system
Sets for use with the Alaris® System are latex free and feature the integrated safety clamp mechanism to help prevent accidental free flow.



MedSystem III® infusion pump
The sets are for use with the MedSystem III® multi-channel infusion system. They are latex free with a flow stop mechanism.



Administration sets for the Alaris® SE pump
The AccuSlide® flow regulator and the SmartSite® needle-free system together enhance safety and convenience.

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Administration sets for the Alaris® Pump* module and the Gemini infusion system

Latex-free and needle-free compliant

Administration sets are available for use with the Alaris® pump module and the Gemini infusion systems models PC-1, PC-2, PC-2TX and PC-4. All sets are latex free (unless otherwise noted) and feature the integrated safety clamp mechanism to help prevent accidental free flow. Set configurations are available with the SmartSite® needle-free valve ports, split-septum needle-free injection ports and standard injection ports.

The administration sets for the Alaris® Pump and the Gemini infusion system offer:

- Ease of use; safety clamp mechanism prevents accidental free flow
- Latex free; removing latex from your IV system reduces the likelihood of an adverse latex reaction for patients and caregivers
- Needle-free compliance; because the SmartSite® needle-free valve and the SmartSite® positive bolus valve are activated with a standard male luer, the use of needles is eliminated

* Formerly known as the Medley® pump module

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Administration sets for the Alaris® SE pump*

Enhance safety and convenience

Administration sets for use with the Alaris® SE single- and dual-channel pumps are latex free. The Alaris® SE pumps come with dose error reduction software, Guardrails® software and the dedicated administration sets contain the AccuSlide® flow regulator that replaces the roller clamp and minimizes the risk of accidental free flow. It allows for easy setup and loading of the administration set. Set configurations are available with the SmartSite® needle-free valve ports, split-septum needle-free injection ports and standard injection ports.

Administration sets for the Alaris® SE pumps offer:

- An AccuSlide® flow regulator which eliminates the roller clamp
- Accurate rate control during gravity infusion
- Safety; reduction in the risk of free flow when the set is removed from the pump
- Needle-free IV access; integrated SmartSite® valve ports eliminate the need for needles
- Ease of use; a complete IV set with an integrated flow regulator and capless needle-free system for both pump and gravity infusions
- Improved needle-free compliance; no caps, cannulas or needles
- Lower system cost; no additional needle-free components required

* Formerly known as Signature Edition® Infusion System

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Administration sets for the MedSystem III® infusion pumps

Prevent accidental free flow

Administration sets for use with the MedSystem III® multi-channel infusion system are all latex free and feature an integrated anti-free flow mechanism to help prevent accidental free flow. Set configurations are available with SmartSite® needle-free valve ports and standard injection ports.

The administration sets for use with the MedSystem III® infusion pumps include:

- A slide-clamp mechanism to prevent accidental free flow
- Latex-free materials; removing latex from your IV system reduces the likelihood of an adverse latex reaction for patients and caregivers
- Needle-free compliance; because the SmartSite® positive bolus valve is activated with a standard male luer, the use of needles is eliminated

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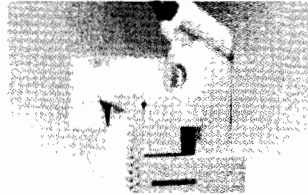
Want more information?

Contact us online or at **800-854-7128** to speak with a representative.

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Thermometry

Cardinal Health has thermometers to meet the temperature measurement needs of all ages. And only Cardinal Health offers a dual-probe thermometer to give you the option of oral, axillary or rectal measurements at the bedside.

Clinicians worldwide take over 1,000,000 temperatures a day with our thermometers. User-friendly features, proven technology and 25 years of global clinical practice make Cardinal Health the smart choice for temperature management solutions.



Electronic thermometers
Cardinal Health offers two electronic thermometers, the Alaris® Tri-Site thermometer and the Turbo Temp® thermometer.



Clinical resources
Cardinal Health believes that knowledge and information enhance patient safety by ensuring accurate use of its products.

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Alaris® Tri-Site thermometer

Innovation for flexibility

The latest innovations in temperature measurement by Cardinal Health can be found in the new Alaris® Tri-Site thermometer. Only the Alaris® Tri-Site thermometer offers you the choice of an integrated dual-probe thermometer for clinical flexibility or a single-probe oral/axillary or rectal configuration for cost savings.

The Alaris® Tri-Site thermometer features:

- A fast, smart algorithm that produces temperatures without dependence on patient age
- Accurate temperatures in oral, axillary and rectal body sites
- Easy to use, three-button front panel that provides access to last fast temperature recall, fahrenheit/celsius conversion, mode and pulse timer. Standard features include a pulse timer, automatic backlight, anti-theft security, batteries, a 200-count probe cover dispenser and a three-year Cardinal Health limited warranty
- Compatibility; the Alaris® Tri-Site thermometer uses the same probe covers as other Cardinal Health electronic thermometers, allowing you the opportunity to update your old IVAC and Alaris® thermometers






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Want more information?

Contact us online.

Files for download

-  Product brochure
PDF (708 Kb)
-  Quick reference guide
PDF (144 Kb)
-  Accuracy testing
PDF (45 Kb)

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Specifications

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IV sets and accessories

Cardinal Health offers a full range of needle-free and closed- system solutions

Needle-free equals a safer workplace. Providing a complete spectrum of needle-free IV therapy products, from a full line of administration sets, to gravity sets, extension sets and components. The time to switch to needle-free IV therapy is now.

Closed-system for the safe handling of hazardous drugs

All SmartSite® needle-free valve products are compatible with the Texium™ closed male luer; when the needle-free valve is partnered with the Texium™ closed male luer, a closed system is achieved for the safe handling of hazardous drugs across the entire continuum of care.

Cardinal Health safety IV sets and accessories are:

- Safe; by enhancing safety for healthcare workers and patients alike by providing needle-free and latex-free IV therapy
- Cost-effective; the complete SmartSite® needle-free system is more cost-effective than many other needle-free systems because it lowers the point-of-care need for caps, cannulas and add-on components
- Compliant; all SmartSite® products are compliant with needle-free legislature. The closed system solution (the Texium™ closed male luer and SmartSite® needle-free valve) helps facilities follow USP 797, NIOSH, ONS and ASHP recommendations for using closed, needle-free systems for the safe handling of hazardous drugs

APPRECIATION THROUGH EDUCATION



**Find our products by
product number,
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below**

Enter product number or
keywords:




- OR -

Select a category



File for download

 [IV sets and accessories
Catalog](#)
PDF (10.3 Mb)



SmartSite® IV sets and accessories

Integrated needle-free technology for infusion products is the latest and safest for clinicians and patients alike.



Texium™ IV accessories

The Texium™ closed male luer partners with the SmartSite® needle-free valve to deliver a closed-system solution for safe handling of hazardous drugs.



Components

The SmartSite® IV accessories allow for safe and simple access to multi-dose vial containers and IV fluid bags.



Extension sets

The SmartSite® extension sets feature a capless design that bring safe, convenient, low-cost and needle-free compliance to a new level.



Positive bolus products

The SmartSite® positive bolus valve, a needle-free system, features a positive bolus to help clear catheter lumens



DEHP-free sets

DEHP-free, IV sets enhance safety for healthcare workers and patients. Sets can be

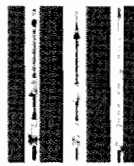
and prevent retrograde flow.

made to meet individual needs.



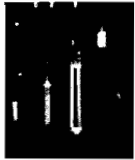
Gravity sets

Standardize with the SmartSite® gravity sets and enjoy the benefits of one integrated needle-free system throughout your facility.



Secondary sets

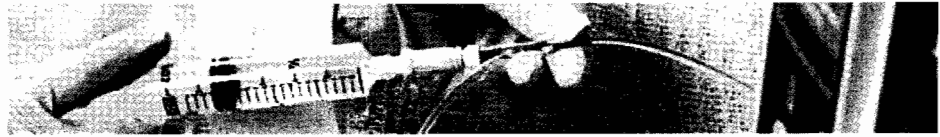
These sets provide access to primary infusion sets via the SmartSite® and split-septum needle-free injection ports and standard injection ports.



Administration sets

Our administration sets are available with the SmartSite® needle-free valve ports or split septum needle-free injection ports.

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Texium™ IV accessories

Safe handling, full continuum of care

The Texium™ IV accessories products are designed to partner with the SmartSite® needle-free valve to deliver a closed system for the safe handling of hazardous drugs for the full continuum of care — from drug preparation to administration and disposal. The cost-effective, easy-to-use system makes it easier for facilities to comply with USP 797, NIOSH, ONS and ASHP guidelines for the safe handling of hazardous drugs. Visit the closed-system solution product performance page to learn more.





Texium™ closed male luer
This device partners with the SmartSite® needle-free valve to achieve a closed system for the safe handling of hazardous drugs.

The Texium™ female cap is for use with the Texium™ closed male luer.

Want more information?

Call us at **888.876.4288** to order these products.

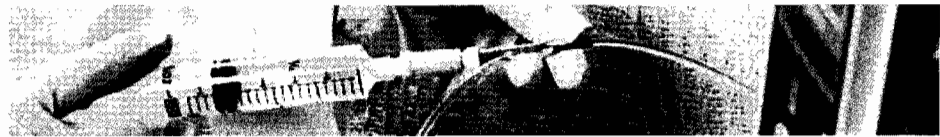
Files for download

-  **Texium™ press release**
PDF (170 Kb)
-  **Closed system brochure**
PDF (2 Mb)

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Texium™ closed male luer

Model 10012241

This device partners with the SmartSite® needle-free valve to achieve a closed system for drug preparation, transport, IV administration and disposal.

No-drip-tip technology

- Leak-free transfer of drugs
- Reduces surface contamination

Passive safety system

- Closes upon disconnection
- Reduces surface contamination
- Protects against free-flow

Lock-and-go design

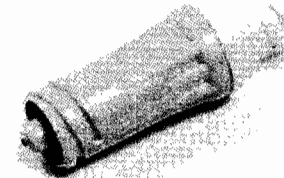
- Fast and easy connection to SmartSite® needle-free valve

Automatic safety lock

- Prevents accidental discharges from a syringe

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Want more information?

Call us at **888.876.4289** to order this product (Model 10012241).

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 Closed-system brochure
[pdf file 2 Mb]

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DEHP-free sets

Because you and your patients' safety matter

We recognize the concerns about IV sets that contain DEHP have increased greatly in the past few years. As a company dedicated to safety, we have one of the broadest offerings of DEHP-free IV infusion sets in the market.

Our singular focus on increasing IV medication safety has given us a deeper understanding of the clinical issues that affect the safety of clinicians and patients.

The offering of DEHP-free and DEHP-free fluid path IV infusion sets includes:

- Alaris® System and Gemini infusion system administration sets
- SmartSite® gravity sets
- Secondary administration sets
- Extension sets

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 Product brochure PDF (629 Kb)

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Secondary sets

Standardize with SmartSite®

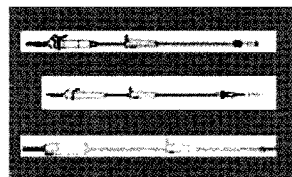
Standardize with SmartSite® IV sets and accessories and enjoy the benefits of one integrated needle-free system throughout your facility. Secondary sets are part of a low-cost system that eliminates the need for cannulas and caps.

The secondary sets offer:

- Diverse infusion applications including DEHP-free, blood and syringe
- Cost savings by eliminating the need for cannulas and caps
- Ease of use; simply swab, attach the standard male luer of secondary set to a primary set port

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THE MOST

ADVANCED

INFUSION SYSTEM

AVAILABLE.



I V A C

Signature Edition™

INFUSION SYSTEM

EXHIBIT

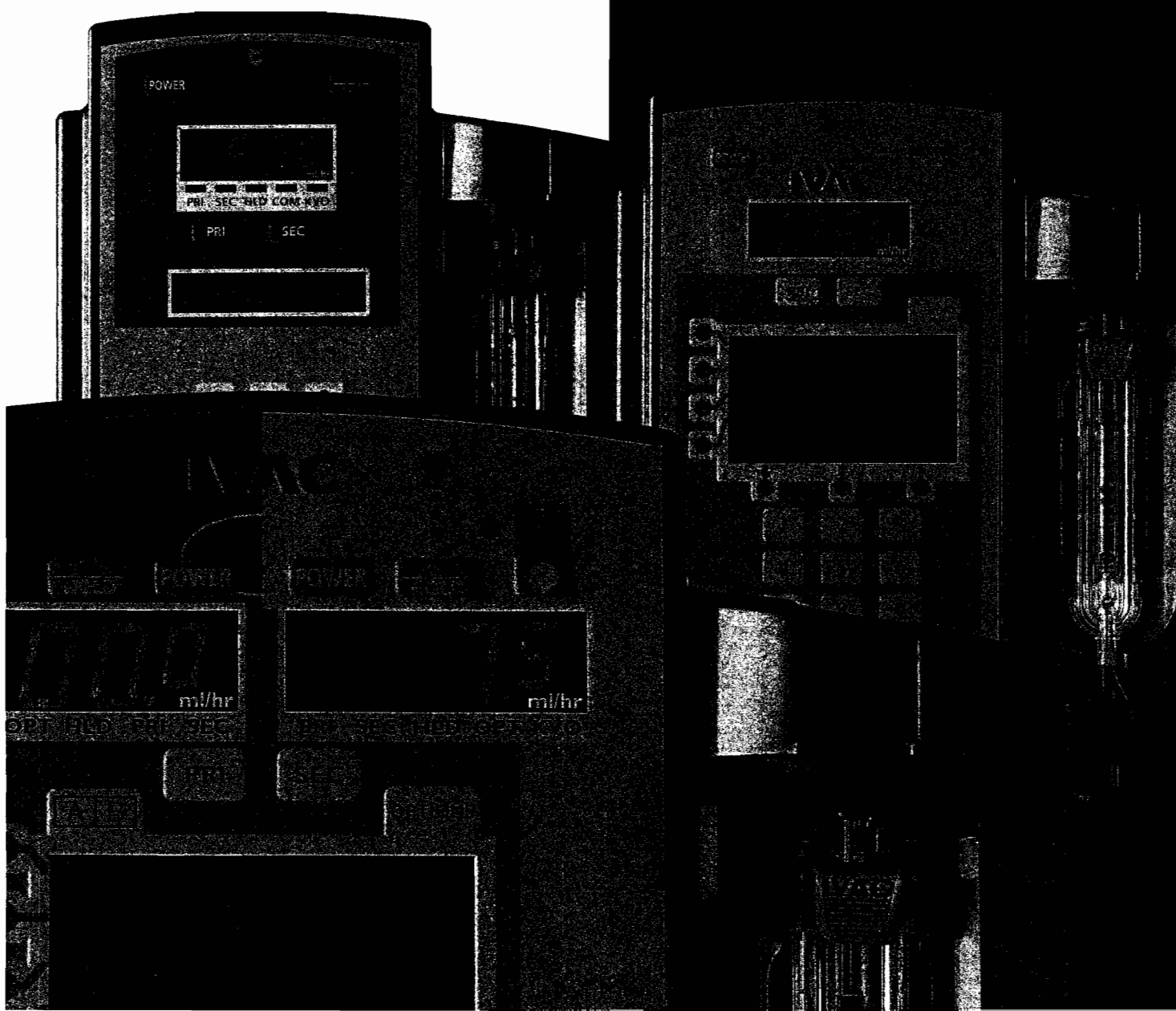
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The Signature Edition™ infusion system has your signature all over it—because many of its innovations resulted from customer input, as well as the principles of human factors design. Human factors design refers to the creation of a medical device with controls and displays engineered to reduce errors in operation while simplifying programming procedures.

These factors include large symbols, good legibility thanks to high-contrast displays, easy-to-operate controls, and designs that are highly intuitive.

The Signature Edition® family: It's the most advanced infusion system available—and the proud result of human factors design and listening to our customers.



BRINGING TOGETHER THE BEST OF IMED & IVAC.

Derived from Latin, meaning "to have wings," the name ALARIS™ signifies the Company's dedication to technological leadership and advancement. Our mission is to provide innovative, cost-effective, quality products and services that deliver therapeutic and life-sustaining medications designed to fight disease, alleviate pain, and improve and extend the quality of human life.





ALARIS™
MEDICAL SYSTEMS

*Bringing Together the Best
of IMED® and IVAC®*

ALARIS Medical Systems, Inc.
WORLDWIDE HEADQUARTERS
10221 WATERIDGE CIRCLE
SAN DIEGO, CALIFORNIA 92121-2733
FAX: (858) 458-7760
CUSTOMER SERVICE: (800) 482-4822

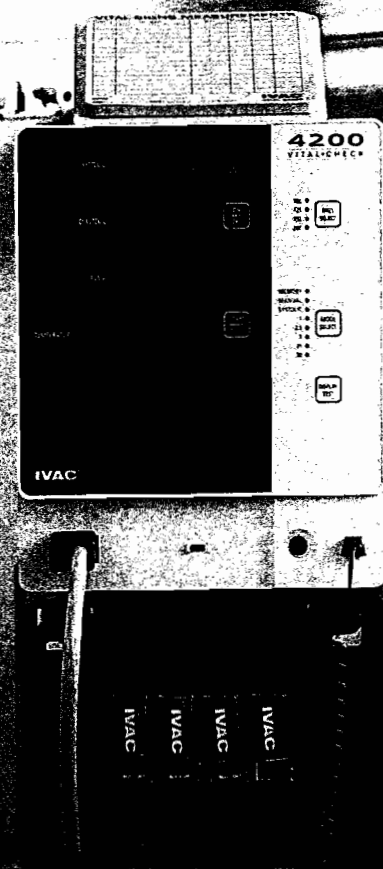


THE IVAC

VITAL SIGNS

FAMILY OF

INSTRUMENTS



IVAC
patient
monitoring
SYSTEMS

A family of vital signs measurement systems
to meet a complete array of needs.

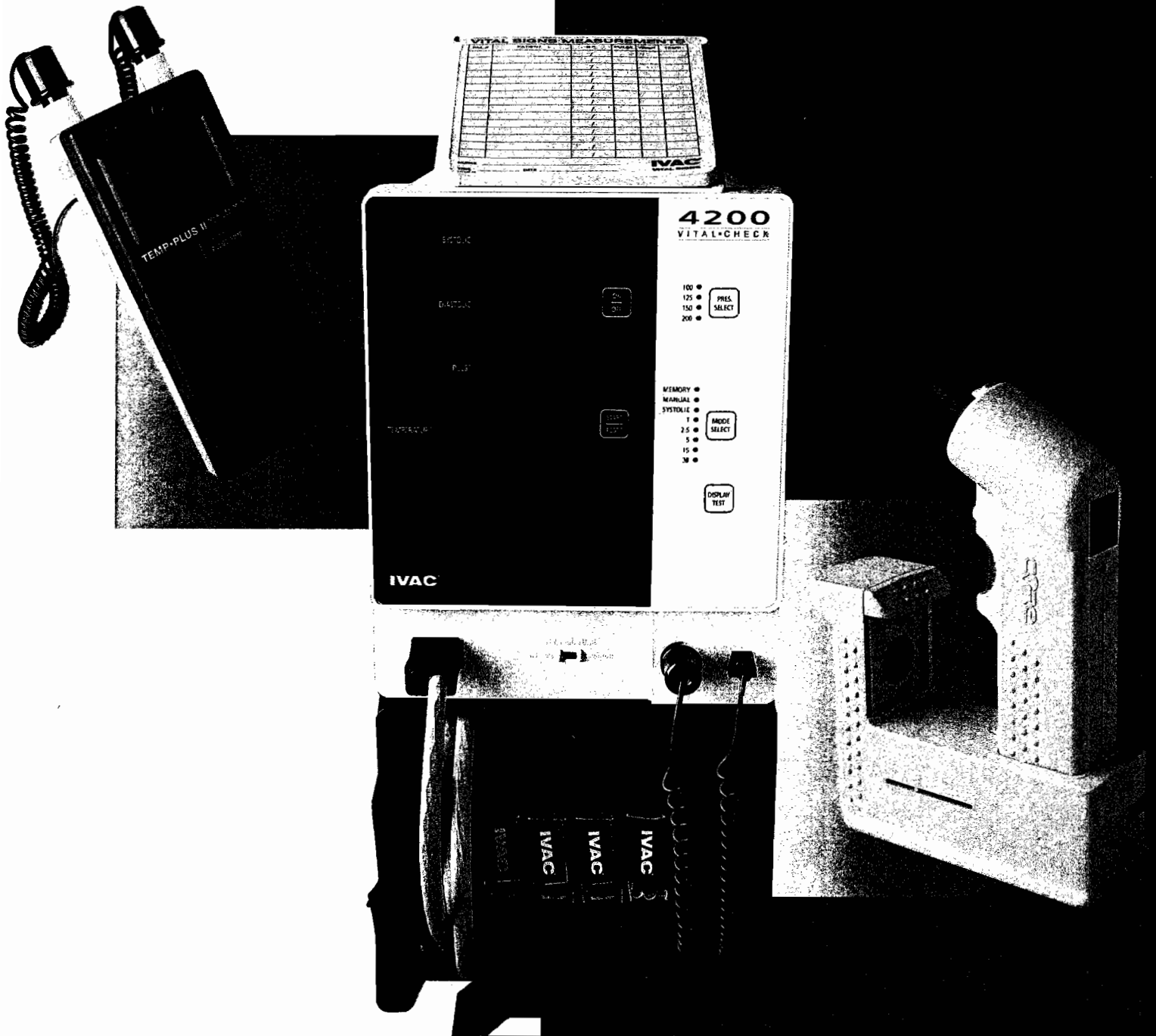
Every IVAC Vital Signs product is designed
and built to be the very highest quality.

That means they're extremely accurate and
reliable in the demanding clinical environment.

The IVAC•TEMP PLUS® II Electronic
Thermometers for optimal flexibility.

The IVAC CORE•CHECK® Tympanic
Thermometer System, the standard
for reliability.

The IVAC VITAL•CHECK® System
performs routine vital signs reliably
and consistently.



BRINGING TOGETHER THE BEST OF IMED & IVAC.

Derived from Latin, meaning "to have wings," the name ALARIS™ signifies the Company's dedication to technological leadership and advancement. Our mission is to provide innovative, cost-effective, quality products and services that deliver therapeutic and life-sustaining medications designed to fight disease, alleviate pain, and improve and extend the quality of human life.





*Bringing Together the Best
of IMED® and IVAC®*

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10221 WATERIDGE CIRCLE
SAN DIEGO, CALIFORNIA 92121-2733
FAX: (619) 458-7760
CUSTOMER SERVICE: (800) 482-4822

THREE CHANNEL

IVAC

MedSystem III™

I N F U S I O N S Y S T E M

In Emergency Transport, the MedSystem III Multi-Channel Infusion pump is as flexible as the health care provider using it. Its light weight – just over five pounds – minimizes carrying equipment in the field.

In addition, its compact size leaves you ample room to work and get in close for patient care.

- **Three Channels**
Saves time and space.
- **Disposable Half-Set**
*Makes patient turnover easier.
Adapts to most
manufacturers' tubing.*
- **Syringe Delivery Capability**
*Accommodates ISO standard luer
lock 20-60cc syringes.*
- **Unique Clamping System**
*Allows pump attachment
virtually anywhere.*
- **Drug Dose Calculator**
*Displays drug name and dose rate
on each channel.*
- **Extended Battery Capacity**
*Minimum 6 hours with all three
channels operating at 125 mL/hr.*



ALARIS™
MEDICAL SYSTEMS

*Bringing Together the Best
of IMED and IVAC*

MEDSYSTEM III™ INFUSION PUMP SPECIFICATIONS

ADMINISTRATION SETS

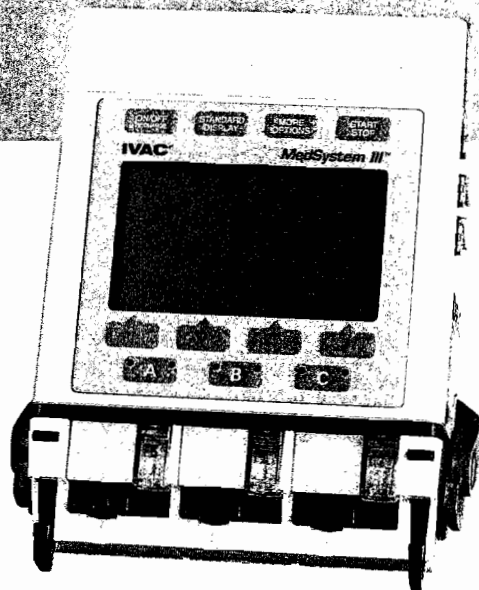
The MedSystem III pump is designed for use with IVAC 28 Series administration sets.

The IVAC 28 Series product line offers a wide variety of needleless and standard IV sets, each featuring free-flow protection.

CLINICAL AND TECHNICAL BENEFITS

- Six selectable device types:
General Purpose, Neonatal,
Controller Pressure, O.R.,
General Purpose II, O.R. II
- Drug Dose Calculator
- Drug Library
- Infusion Time Remaining
- Adjustable Occlusion
Pressure Limits
- Field Maintenance Software
- Easy Software Upgrades

Flow Rate Range	0.1 to 999 mL/hr
Volume to be infused	0.1 to 9999 mL
KVO Flow Rate	0.1 to 20.0 mL/hr
Dimensions	Width 6.0 in. Height 7.9 in. Depth 2.1 in. Weight 5.1 lbs.
Internal Battery	Main - Rechargeable NiCad Battery Pack Memory Backup - Nonrechargeable Lithium
Battery Capacity	Minimum 6 hours with all three channels at 125 mL/hr
Power Requirements	6 watts AC power Use only IVAC MedSystem III AC adapter, 110/120V AC, 60 Hz



Talk to the people who know best how ALARIS Medical Systems™ can help you: contact your ALARIS™ Medical Account Consultant or call 1-800-482-4822. In Canada, call 1-800-268-4485 (Eastern) or 1-800-513-2254 (Western).



ALARIS™
MEDICAL SYSTEMS

*Bringing Together the Best
of IMED® and IVAC®*

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FAX: (619) 458-7760
CUSTOMER SERVICE: (800) 482-4822

WEBSITE: WWW.ALARISMED.COM

TYMPANIC THERMOMETER

IVAC

CORE•CHECK[®]

TYMPANIC THERMOMETER SYSTEM

The most rugged, reliable tympanic thermometer ever, the IVAC CORE•CHECK thermometer provides accurate, consistent core temperature readings in less than three seconds.

■ **Flexibility**

Accurate readings in a wide range of clinical settings.

■ **Safety**

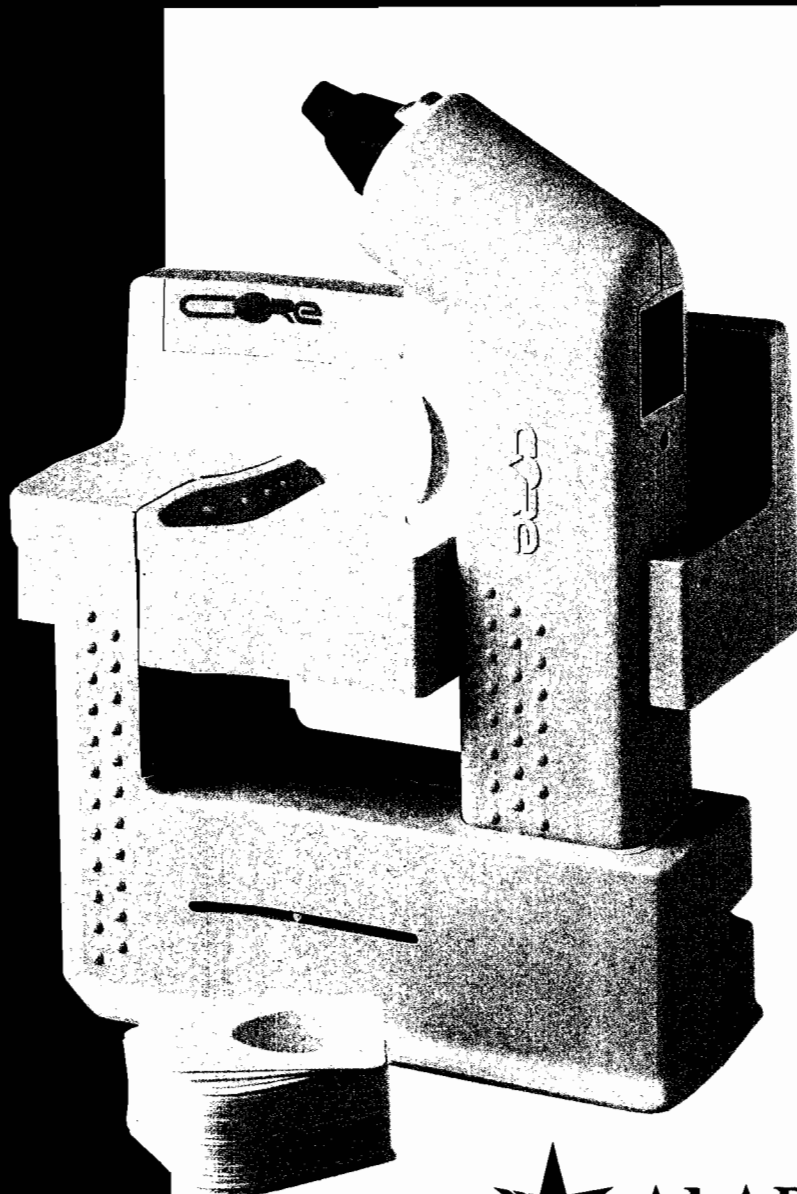
Non-invasive core temperature technique avoids contact with mucous membranes.

■ **Reliability**

Durable design to withstand the demands of your clinical environment.

■ **Productivity**

Reduces time spent on routine temperature measurements.



ALARIS[™]
MEDICAL SYSTEMS

*Bringing Together the Best
of IMED and IVAC*